

VALUE ENGINEERING CHANGE PROPOSAL  
MISSOURI DEPARTMENT OF TRANSPORTATION

		Date <u>2/24/09</u>
Contract ID <u>071221-502</u>		Job No. <u>J5P0590 &amp; J5P0591</u>
County <u>Camden</u>	Route <u>5</u>	Original Bid Cost <u>\$9,206,186.96</u>
Contractor <u>APAC</u>		By <u>Cody Anderson</u>
Designed By _____		Phone <u>573-317-3700</u>
VECP # <u>VECP 09-06</u>		VECP <u>X</u> or VECPPDU <input type="checkbox"/>

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

Due to previous modifications on adjoining job the elevation and alignment will deviate approximately 6 feet +/- . APAC'S proposal will use part of the existing roadway for the asphalt base with a 1 3/4" overlay. Starting at Sta. 61+50 APAC will match existing pavement running to Sta. 69+00 which will be approximately 2' to the right of the edge of pavement. After Sta. 69+00 Lake Road 5-89 will return back to planned profile. Watkins Road will also be used as an asphalt base with a 1 3/4" asphalt overlay placed on existing roadway.

2. Estimate of reduction in construction costs. \$28,011.34
3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

VECP will provide for a thicker cross section at Lake Road 5-89 which will be overlaid from Sta. 61+50 matching existing pavement running to Sta. 69+00 which will be approximately 2' to the right of edge of pavement, Beyond this point Lake Road 5-89 will return to planned profile. Watkins Road will also be overlaid with a radius added on both sides.

This will also help to maintain steady a residential traffic flow on 5-89, and complete this project in a timelier manner.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

\_\_\_\_\_  
(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

\_\_\_\_\_  
(date)

\_\_\_\_\_  
(effect)

6. Dates of any previous or concurrent submission of the same proposal.

50/50

## Additional Comments:

\*\* Portion Below This Line To Be Filled Out by MoDOT \*\*

## Comments:

Based on the previous grade change to Lake Rd. 5-89 on Job No. J5P0590C, the savings to the commission and as this concept proposal meets the requirements of Section 104.6, I recommend approval of this VE Concept.

*Michael K. O'Malley*

Submitted By Resident Engineer

02/25/09

Date

## Comments:

Agree with comments above.



Approval  
Recommended

*Roger Schwartz*

District Engineer

2/27/09

Date



Rejection  
Recommended

## Comments:



Approval  
Recommended

N/A



Rejection  
Recommended

Federal Highway Administration  
Required for FHWA Full Oversight Projects

Date

## Comments:



Approval

*David D. Goober*

State Construction and Materials Engineer

3-3-09

Date



Rejection

BAW

VE # 2 Use existing part of Lake Road 5-89 and all of Watkins Road.

	Original	Proposed V.E.	Total Savings	Unit Price	Savings
Watkins Road	434	0	434	\$6.30	\$2,734.20
Watkins Road	596	0	596	\$5.38	\$3,206.48
Watkins Road	140.2	0	140.2	\$41.45	\$5,811.29
Lake Road 5-89	7474	7060	414	\$5.38	\$2,227.32
Lake Road 5-89	2555	2412	142.31	\$41.45	\$5,898.75
Lake Road 5-89	35242	33951	1291	\$6.30	\$8,133.30
			Total Savings	=	\$28,011.34
			APAC	50%	\$14,005.67
			MODOT	50%	\$14,005.67

# VALUE ENGINEERING CHECK SHEET

## TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☒ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. \_\_\_\_\_

## SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

By utilizing part of existing roadway, the contractor is able to eliminate some Class A Excavation, 4" Base Rock, and Bituminous Base.

## SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

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